

Instruction Manual

# ***Atlantis***

**UNDERWATER CAMERA  
SYSTEMS**

Atlantis AUW-552

Atlantis II AUW-701

Mini-Atlantis AUW-401



**LBE**  
LEADER IN VIDEO ELECTRONICS

## 1. INTRODUCTION

Thank you for your purchase of JJC's Atlantis Underwater Camera. JJC, Inc. based in Englewood, New Jersey proudly introduces

**Atlantis™**, a high resolution black & white video camera and monitor system, that offers multi-purpose applications in aquatic environment.

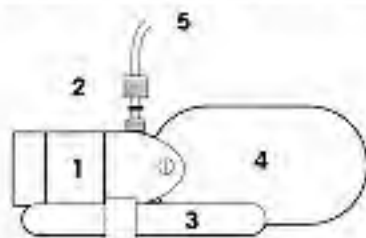
**Atlantis™** may be best used for: sport fishing, search and rescue, treasure hunting, marine biology research, or just for plain fun, it can offer you a viewing pleasure by showing for plain fun. It can offer you a viewing pleasure by showing underwater activities. These suggested applications are just elementary of what **Atlantis™** can be used for. It will help bring one's aquatic fantasies and imaginations to true life on its screen.

The **Atlantis™** underwater viewing system includes high resolution camera, 5.5" monitor, 100' cable, 12 VDC rechargeable battery, recharger, sunshield screen and waterproof case; a complete set up for your application.

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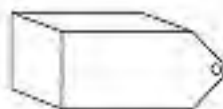
## 2. PARTS AND FIGURES



- 1. Camera
- 2. Crew Cap
- 3. Lead Weight (2)
- 4. Acrylic Fin (2)
- 5. 100' Steel Mesh Cable



- 6. 7" B/W Monitor
- 7. 7" Monitor Sunshield



- 8. 5.5" B/W Monitor
- 9. 5.5" Monitor Sun Cover

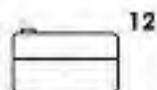


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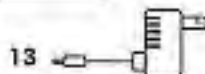
- 10. Mini B/W Monitor



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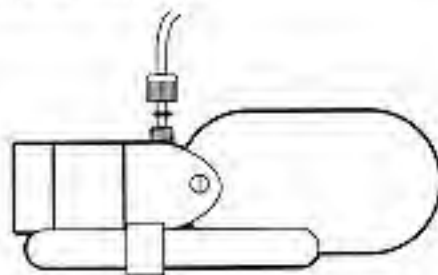
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- 11. Waterproof Case
- 12. Rechargeable Battery
- 13. Recharger
- 14. Car Power Cord

### 3. FUNCTIONAL NOMENCLATURE

#### A) Underwater Camera

The camera features the latest technology that provides 420 TV lines of resolution and has 6 high power infrared LED that allows you to see up to 25' ahead in total darkness. The camera is fully waterproof in ruggedized die-cast housing and the lens has a wide angle lens for maximum coverage control panel.



#### B) Monitors

The compact and lightweight monitors are designed for energy saving. They supply power to the camera. This reduces power consumption and minimizes the nuisance of installing a separate power source for the camera. Each package comes with a rechargeable battery that will last up to 8-9 hours; a whole day of operation. It has a mirror image function that allows you to view the true image. The free voltage (11-32 VDC) makes it convenient for you to install the monitor on any boat without a power converter. The monitors can be connected to 2 cameras so that you can watch 2 different sites at the same time with just a flick of a camera selector button located on the front control panel.



**JCS-701M**



**JCS-552M**



**JCS-401M**

## 4. HOW TO INSTALL

### A) Power connection

Red: Power source-Link to red (+) terminal on the battery.  
Black: Ground-Link to black (-) terminal on the battery.

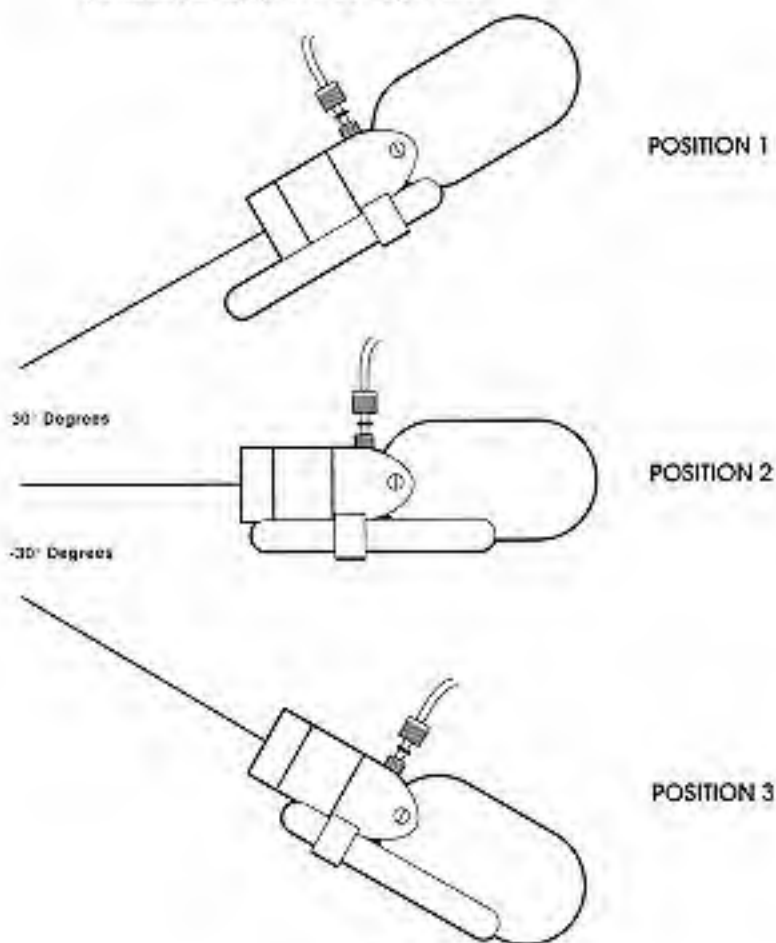
### B) Setting up monitor

Connect the power cable to (a). Press power on button.  
Make sure the camera selection button is on C1.

For mirror image, select toggle switch (b) on the back of the monitor.

### C) Viewing angle control of the camera

Ballast position 1: approx. 30° downward  
position 2: horizontal view  
position 3: approx. 30° upward



## 5. HOW TO OPERATE

### JCS-552M Monitor

#### 1) Activation

Connect power plug (Red) from monitor to Red lead (+) of the battery. Once installation is complete, push the power button on the monitor, and the underwater camera will activate and shows camera view.

#### 2) C1/C2 button

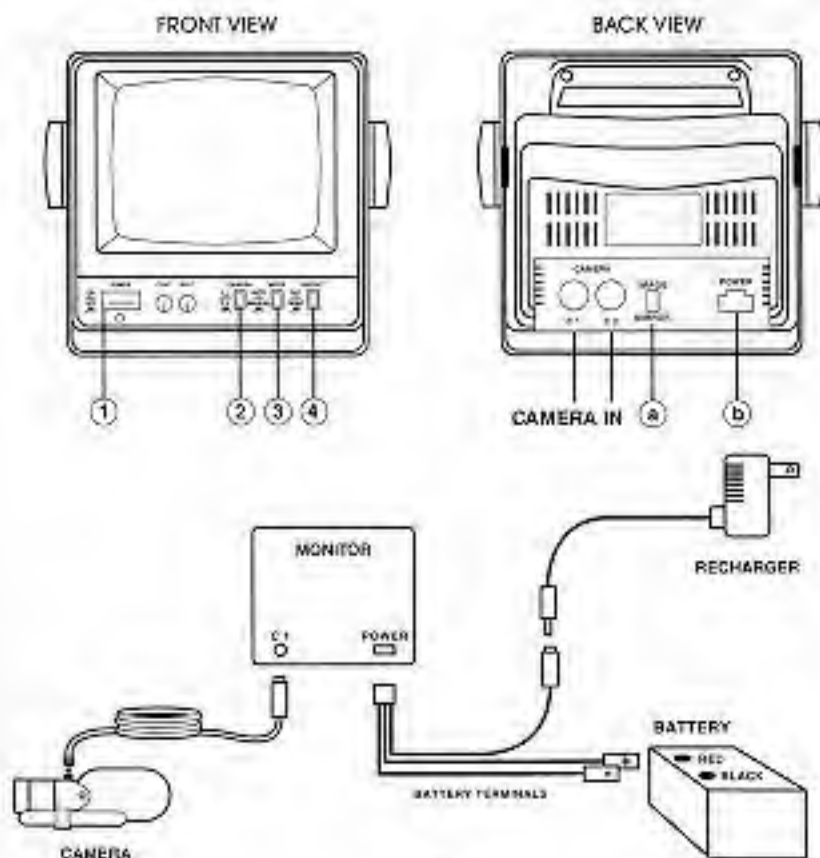
It works only when the monitor is on and two cameras are connected to the monitor.

#### 3) Auto/Manual button

Leave it in Manual position all the time.

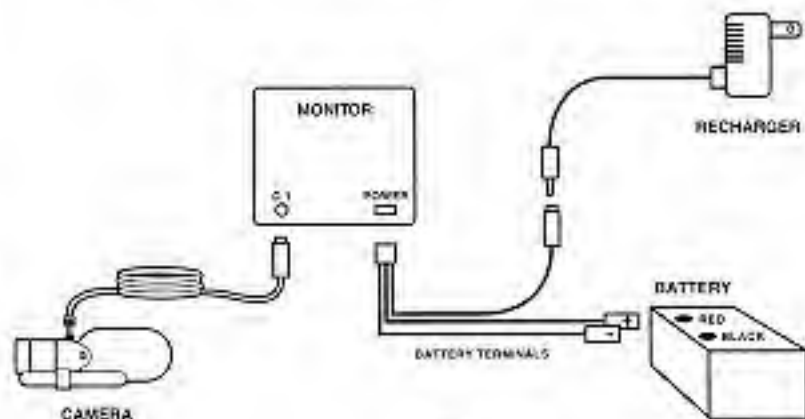
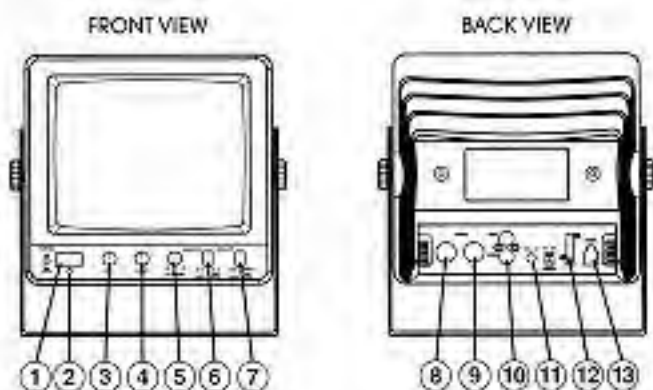
#### 4) Bright button

Select Day or Night mode depending on the daylight condition.



### JCS-701M Monitor

- 1) On/std by (— = on — = std by)
- 2) Control lamp lights up when the monitor is switched on.
- 3) Bright
- 4) Contrast
- 5) Volume
- 6) Camera selector: switch over between camera 1 and camera 2
- 7) Brightness switch over for day/night (— = day — = night)  
- the monitor dims slightly.
- 8) 5-pole socket (jack) for camera 1
- 9) 5-pole socket (jack) for camera 2
- 10) VCR Audio/Video output
- 11) External speaker
- 12) Fuse 2A
- 13) Power connector



### JCS-401M Monitor

**1) Contrast control**

Adjust the control for desired video contrast.

**2) Brightness control**

Adjust the control for desired brightness level.

**3) Volume control**

Adjust the control for desired audio level.

**4) Speaker**

Sound of the selected camera.

**5) Normal/Mirror switch**

Press to operate mirror picture

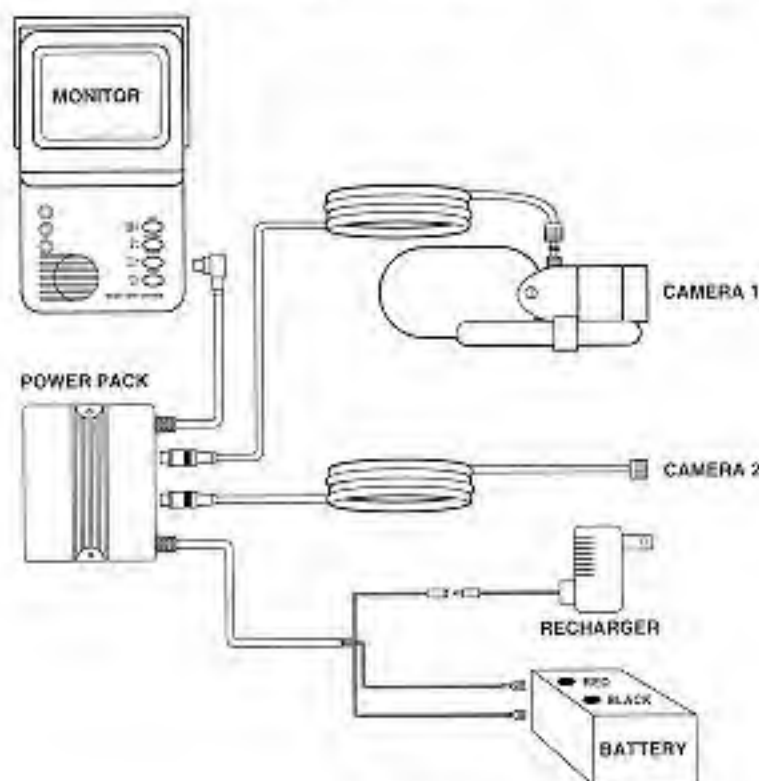
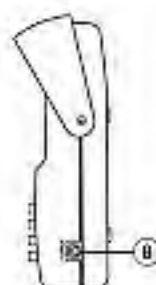
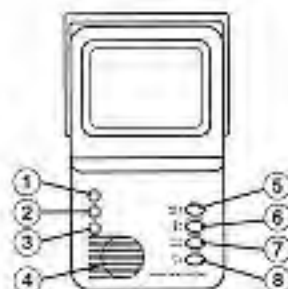
**6) Day/Night**

Press to select brightness level.

**7) Channel selector**

**8) Main power switch**

**9) Power connector (from power pack)**





## 6. TROUBLE SHOOTING

- No Power** Is power cable firmly inserted into battery leads?  
Is power plug firmly plugged into monitor?  
Is the power fuse still active?
- No Picture** Is cable firmly connected between monitor and camera?

## 7. CARE AND MAINTENANCE

- 1) Make sure not to reverse the polarity. It may cause permanent damage to both monitor and camera. The RED power cable and black ground cable should connect to RED terminal and black terminal of the battery respectively.
- 2) Please make sure to turn off the monitor and disconnect power cable from the battery after use. Also wipe off any moisture at both terminals on the battery to prevent from corrosion. This will ensure a clean contact between cables and terminals for future use.
- 3) Please remember to recharge the battery after 9 hours of usage. You need to leave battery connected to the recharger for overnight. Keep battery away from reach of children.

## 8. SPECIFICATION

### A) Camera

Item	Specification
Pick Up Device	270,000 pixels 1/3" CCD
Resolution	420 TV lines
Viewing Angle	92° wide, diagonal
Minimum Illumination	0 Lux with high power IR LED
Power Requirement	DC 9.7V (power from monitor)
Operation Temperature	-4° F to 122° F
Storage Temperature	-22° F to 167° F
Dimensions	3" x 1.5"D
Weight	0.8 lb

**B) JCS-701M Monitor**

Item	Specification
Horizontal Resolution	600 lines at center
Power Supply Voltage	11V to 32VDC
Power consumption	19W with camera
Screen Size	7" diagonal
Operation Temperature	7°F to 143°F (-15 °C to 60 °C)
Storage Temperature	-22°F to 167°F (-30°C to 75°C)
Dimensions	7.3" X 6.9" X 8.7"
Weight	Approx. 6.6 lbs

**C) JCS-552M Monitor**

Item	Specification
Horizontal Resolution	520 lines at center
Power Supply Voltage	11V to 32VDC
Power consumption	10.5W with camera
CRT	Size: 5.5" diagonal Deflection Angle: 70° Neck Diameter: 0.13 inch
Operating Humidity	
Operation Temperature	7°F to 143°F (-15 °C to 60 °C)
Storage Temperature	-22°F to 167°F
Dimensions	6.5" X 5.9" X 7.9"
Weight	Approx. 3 lbs

**D) JCS-401M Monitor**

Item	Specification
Horizontal Resolution	400 lines at center
Power Supply Voltage	11V to 24VDC
Power consumption	10W with camera
Screen Size	4" diagonal
Operation Temperature	7°F to 143°F (-15 °C to 60 °C)
Storage Temperature	-13°F to 185°F (-25°C to 85°C)
Dimensions	4.6" X 2.3" X 7.9"
Weight	Approx. 2 lbs

## 9. WARRANTY

**Atlantis™**

### LIMITED WARRANTY

#### WHO PROVIDES THE WARRANTY

- During the warranty period, the JJC™ Warranty Dept. will honor service for one year parts and labor from the original date consumer purchase. See below for Commercial, Industrial or Education use coverage.

#### WHO IS PROTECTED

- This warranty protects the original consumer owner of this JJC™ Products Division product.

#### WHAT IS COVERED AND HOW LONG

- This warranty covers internal operating parts and service/labor to repair or replace covered parts in this JJC™ product for one year, parts and labor from the date of purchase, with an original proof of purchase with retailer receipt, defined as follows: (1) Original Consumer Retail Purchase; (2) First Rental Purchase Agreement, or (3) First Lease Purchase Agreement (the "Warranty Period"). Labor and replacement parts supplied during the Warranty Period are covered only for the remaining portion of the original Warranty Period. The JJC™ Warranty Dept. shall have no liability for service under this warranty if non-OEM (Original Equipment Manufacturer) replacement parts are used in the repair of your JJC product.

#### WHAT THE OWNER MUST DO IF SERVICE IS REQUIRED

- If service under this warranty is required, contact the JJC™ Warranty Dept. at (201)871-9899. JJC's warranty will exchange this product or replace one found to be defective during the Warranty Period.

#### OTHER WARRANTY COVERAGE

- Commercial, Industrial, or Educational use has the same warranty coverage as stated in this warranty.

#### WHAT ARE THE EXCEPTIONS

- This warranty does not cover: (1) Damage from misuse, abuse, neglect or accident, natural disasters or Acts of God; (2) Cabinetry, decorative parts, A/C adapters, knobs or buttons; (3) The foreign country use of this product; (4) JJC™ product which has been electronically or mechanically modified in any way or incorporated into other products; (5) Installation and set-up service adjustments; (6) Owner instruction. Your Owner's Guide provides information regarding operating instructions and user controls. For additional information, contact your authorized JJC™ dealer.
- JJC is not responsible for any shipping, handling or insurance charges.
- This Exclusive Limited Warranty excludes all incidental and consequential damages. Some states do not allow the exclusion of incidental and consequential damages, so the above exclusion may not apply to you.
- ALL IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY PERIOD. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.
- This Exclusive Limited Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

JJC WARRANTY DEPT. 18W. FOREST AVENUE, ENGLEWOOD, NJ 07631 (201) 871-9899

**CUSTOMER REGISTRATION CARD****Allantis**  
Underwater camera

To participate in our warranty program, please complete the customer registration card and return it to JJC Warranty Dept. with a copy of your receipt.

**SOLD TO:** Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_  
State: \_\_\_\_\_ Zip: \_\_\_\_\_ Tel: \_\_\_\_\_

Date of purchase: \_\_\_\_ / \_\_\_\_ / \_\_\_\_ Price you paid: \_\_\_\_\_

Name of the store: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_

Application for the product: \_\_\_\_\_

If you would like to purchase extended warranty, please fill out the card below and send along with the registration card. You will receive this card with a warranty code via mail.

**EXTENDED WARRANTY**

*Please check one*

- ☐ 2 year coverage: \$39.00    Card Type: ☐ VISA ☐ MC ☐ AMEX  
☐ 3 year coverage: \$49.00    Card #: \_\_\_\_\_  
☐ 4 year coverage: \$59.00    Exp. Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_  
☐ 5 year coverage: \$69.00

Credit Card Billing Address:  
(If different from above)

Your Signature: (required)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_  
State: \_\_\_\_\_ Zip: \_\_\_\_\_

**OFFICE  
USE ONLY**

**WARRANTY CODE:**

**AUTHORIZED BY:**

For your protection, do not send in cash. Enclose check, money order or credit card information along with this card in an envelope and mail to:

**JJC**  
LEADER IN VIDEO ELECTRONICS

JJ Communications, Inc.  
18 W. Forest Ave. Englewood, NJ 07631  
Phone: 201-871-9899